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(71) Applicants (for all designated States except US): BI-OLEADERS CORPORATION [KR/KR]; 408-1, Sajeong-dong, Joong-gu, 301-212 Daejeon (KR). KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY [KR/KR]; 52, Eoeun-dong, Yuseong-gu, 305-806 Daejeon (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SUNG, Moon-Hee**

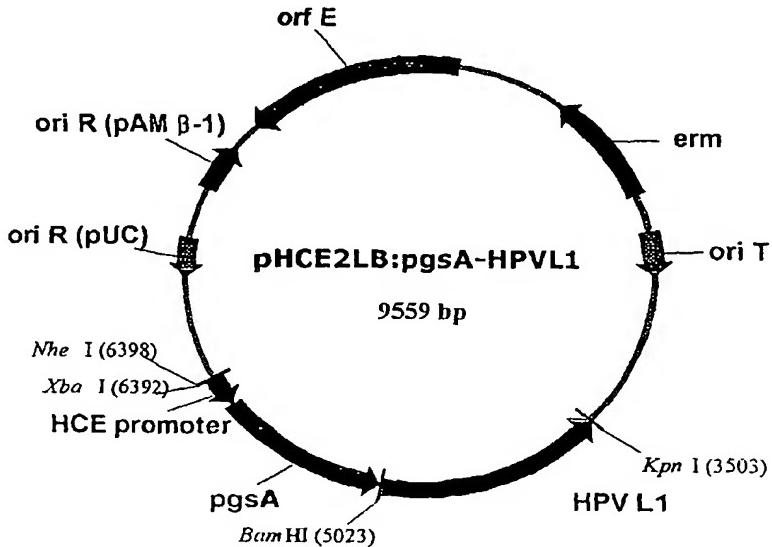
[KR/KR]; 908ho, Dong-A venture Bldg., 538-8, Bongmyoung-dong, Yuseong-gu, 305-301 Daejeon (KR). POO, Ha-Ryoung [KR/KR]; 1619ho, Honors Vill, Dunsan-dong, Seo-gu, 302-121 Daejeon (KR). LEE, Jong-Soo [KR/KR]; 307-11, Jangdae-dong, Yuseong-gu, 305-308 Daejeon (KR). JUNG, Chang-Min [KR/KR]; 618-13, Mok 3-dong, Yangcheon-gu, 158-811 Seoul (KR). HONG, Seung-Pyo [KR/KR]; 310-1503, Songgang Green APT., Songgang-dong, Yuseong-gu, 305-751 Daejeon (KR). KIM, Chul-Joong [KR/KR]; 103-801, Hanwool APT., Shinseong-dong, Yuseong-gu, 305-345 Daejeon (KR). PARK, Sue-nie [KR/KR]; 103-202, Inwangsan Hyundai APT., Hongje-dong, Seodaemoon-gu, 120-090 Seoul (KR). PYO, Hyun-mi [KR/KR]; 2-901 Garam APT., Samcheon-dong, Seo-gu, 302-744 Daejeon (KR).

(74) Agent: KIM, Won-joon; 305, Soohyb Bldg., 917, Dunsan-dong, Seo-gu, Daejeon 302-828 (KR).

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(54) Title: VECTOR FOR ANTI-HPV VACCINE AND TRANSFORMED MICROORGANISM BY THE VECTOR



WO 2004/035795 A1

(57) Abstract: The current invention relates to expression vectors that can efficiently produce virion capsid protein, tumor-associated protein of human papillomavirus on a microbial surface and bacterial strains harboring such surface display vectors and the use of the bacterial strains or its extract, purified products as complex vaccines. More particularly, the present invention relates to surface display vectors contains one or more than two genes selected among pgsB, pgsC and pgsA, encoding a poly- γ -glutamic acid synthetase complex (pgsBCA) of a *Bacillus* sp. Strain and genes which encode virion capsid proteins, tumor-associated proteins of human papillomavirus, and method for preparing the same.



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